HAER MASS, 9-SOMV, 5-

## HISTORIC AMERICAN ENGINEERING RECORD

## Index to Photographs

## Mystic River Drawbridge No. 7

HAER No. MA-88

Spanning Mystic River at the Massachusetts Bay
Transportation Authority Rail Line (formerly
Boston & Maine Eastern Route) Right-of-Way
Somerville
Suffolk County MIDDLESSEX COUNTY
Everett
Middlesex County
Massachusetts

NOTE: Photographs were taken by Martin Stupich, photographer, December 1988

- MA-88-1 OBLIQUE VIEW OF NORTHWEST SIDE OF MYSTIC RIVER BRIDGE, LOOKING SOUTHEAST FROM NEW (U/C) RAILROAD BRIDGE DECK
- MA-88-2 VIEW OF SOUTH ELEVATION OF BRIDGE, LOOKING NORTH
- MA-88-3 VIEW OF NORTH ELEVATION OF BRIDGE, LOOKING SOUTH FROM TRACK BED
- MA-88-4 OBLIQUE VIEW OF EAST SIDE OF BRIDGE, SHOWING TRAIN TRANSITING BOTH PORTALS, LOOKING WEST
- MA-88-5 OBLIQUE VIEW OF EAST SIDE OF BRIDGE, LOOKING WEST
- MA-88-6 VIEW OF BRACE STRUTS AND GUYS ON EAST SIDE OF BRIDGE, LOOKING WEST
- MA-88-7 DETAIL VIEW OF TOWER, NORTH ELEVATION, LOOKING SOUTH
- MA-88-8 DETAIL VIEW OF NEEDLE BEAM-GUY CONNECTION AND PIVOTS, LOOKING NORTHWEST
- MA-88-9 FRONTAL VIEW OF MOVABLE SPANS, RAISED AND SUSPENDED IN OPENING OPERATION
- MA-88-10 DETAIL VIEW OF NEEDLE BEAM-GUY CONNECTIONS, EAST ELEVATION, LOOKING SOUTHWEST
- MA-88-11 DETAIL VIEW OF TRUSS, 1917 SPAN, SOUTHWEST ELEVATION, LOOKING NORTHEAST

Mystic River Drawbridge No. 7 HAER No. MA-88 Index to Photographs (Page 2)

MA-88-12	DETAIL VIEW OF WEST PIER AND 1917 TRUSS, LOOKING EAST
MA-88-13	VIEW OF SWEEP ARM-DRIVE MECHANISM AND BELT CHAIN FROM MOOR, LOOKING EAST
MA-88-14	DETAIL VIEW OF SWEEP ARM CONNECTION TO 1955 GIRDER, LOOKING NORTH
MA-88-15	VIEW OF WINCH WITH HOISTING CHAIN ON FIRST LEVEL OF TOWER, LOOKING SOUTHWEST
MA-88-16	VIEW OF LEVER CONNECTED TO CHAIN (BRIDGE IN CLOSED POSITION), LOOKING WEST
MA-88-17	VIEW OF TOP CASTING WITH ARM AND SHACKLE CONNECTION, NORTHEAST CORNER OF TOWER, LOOKING SOUTHWEST
MA-88-18	VIEW OF TYPICAL BEVEL PLATE, NORTH SIDE BETWEEN SECOND AND THIRD LEVELS OF TOWER, LOOKING NORTH
MA-88-19	DETAIL VIEW OF LATERAL BRACING, NORTH ELEVATION, LOOKING NORTHWEST
MA-88-20	VIEW OF OPERATING CONTROLS, NORTHWEST CORNER OF TENDERS SHANTY, LOOKING NORTHWEST
MA-88-21	VIEW OF CONTROL PANEL ON EAST WALL OF SHANTY, LOOKING EAST
The following are photocopies of 36" x 24" ink-on-linen drawings. Fort Pitt Bridge Works. 1916. Courtesy of Boston & Maine Corporation, N. Billerica, MA.	
MA-88-22	DETAILS OF PART OF TRUSS #1
MA-88-23	DETAILS OF PART OF TRUSS #1
MA-88-24	DETAILS OF PART OF TRUSS #2
MA-88-25	DETAILS OF PART OF TRUSS #2
MA-88-26	DETAILS OF NEEDLE BEAMS

MA-88-27

MA-88-28

**ERECTION PLAN** 

**DETAILS OF CASTINGS** 

Mystic River Drawbridge No. 7 HAER No. MA-88 Index to Photographs (Page 3)

The following are photocopies of 36" x 24" ink-on-linen drawings. Office of Chief Engineer (B & M Railroad). 1931. Courtesy of Boston & Maine Corporation, N. Billerica, MA.

MA-88-29	ELEVATION OF TOWER
MA-88-30	SUBSTRUCTURE - DRAW NO. 7
MA-88-31	TRESTLE STRENGTHENING AND TRUSS BEARING SUPPORT
MA-88-32	FENDER PIERS - DRAW NO. 7
MA-88-33	TRESTLE APPROACHES
MA-88-34	GENERAL PLAN & SECTIONS, SOUTHWEST FENDER PIER
MA-88-35	STEEL & TIMBER DETAILS, SOUTHWEST FENDER PIER
MA-88-36	TOWER STRENGTHENING